LOWNEY ASSOCIATES
Environmental / Geotechnical / Engineering Services

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October 12, 1994
1063-1, MV101204

Mr. Scott Seery
ALAMEDA COUNTY HEALTH CARE SERVICES
DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: ADDENDUM TO APRIL 27, 1994 WORK PLAN
S&S BUILDING SUPPLY
SAN LEANDRO, CALIFORNIA

Dear Mr. Seery:

This letter responds to your comments regarding the April 27, 1994 work plan for a soil and ground water quality evaluation at the S&S Building Supply site located at 701 Fremont Avenue in San Leandro, California.

As you requested, the following items will be addressed.

- In addition to the soil samples collected at 5-foot depth intervals during boring advancement, an attempt will be made to collect soil samples at any significant changes in lithology or where apparent contamination is encountered.

- Well construction specifications and a schematic well construction diagram are attached.

- The monitoring wells will be surveyed to an established benchmark located at the intersection of Fremont Avenue and Floresta Boulevard to the accuracy of 0.01 foot, with elevations measured relative to mean sea level.

- A map showing proposed boring and well locations is attached as Figure 1.

- In addition to standard sampling protocol procedures presented in the April 1994 work plan, one duplicate soil and ground water sample will be submitted for analysis. The laboratory quality control data report, as well as the results of the duplicate samples, will be included in our final report.

- According to Mr. Rick Montesano of Paradiso Construction Co., after the tank removal, the excavation was extended to ground water at a depth of approximately 10 to 12 feet. Reportedly, no sidewall samples were collected for analysis. Based on this information and in agreement with your recent letter, drilling of a boring within the former tank pit does not appear warranted. The proposed boring will alternatively be located approximately

5 feet west of the excavation as shown on Figure 2. Soil samples collected from monitoring well borings MW-1 and MW-3 will further aid in evaluating the lateral extent of impacted soil. As you may recall, petroleum hydrocarbons were not detected in soil samples collected beneath the tank formerly located within the eastern portion of the excavation; thus, drilling of a boring on the eastern side does not appear warranted, in our opinion.

- Soil samples collected from 5-foot depth intervals and above the water-bearing zone from the borings advanced within 10 feet of the excavation will be analyzed for the total petroleum hydrocarbons as gasoline and benzene, toluene, ethylbenzene, and xylene. Soil samples collected from the up-gradient monitoring well (MW-2) will be field screened with an organic vapor meter (OVM) and one sample submitted for laboratory analysis.

We anticipate beginning work within the next few weeks. Please call if you have any questions.

Very truly yours,

LOWNEY ASSOCIATES

Bridget Baxter

Bridget A. Baxter
Environmental Geologist

Stason I. Foster

Stason I. Foster, P.E.
Environmental Engineer

RLH:SIF:BAB:tjc

Copies: Addressee (1)
S&S Building Supply (1)
Attn: Mr. Bob Gardner

Attachments: Figures 1 and 2
Sampling Protocol

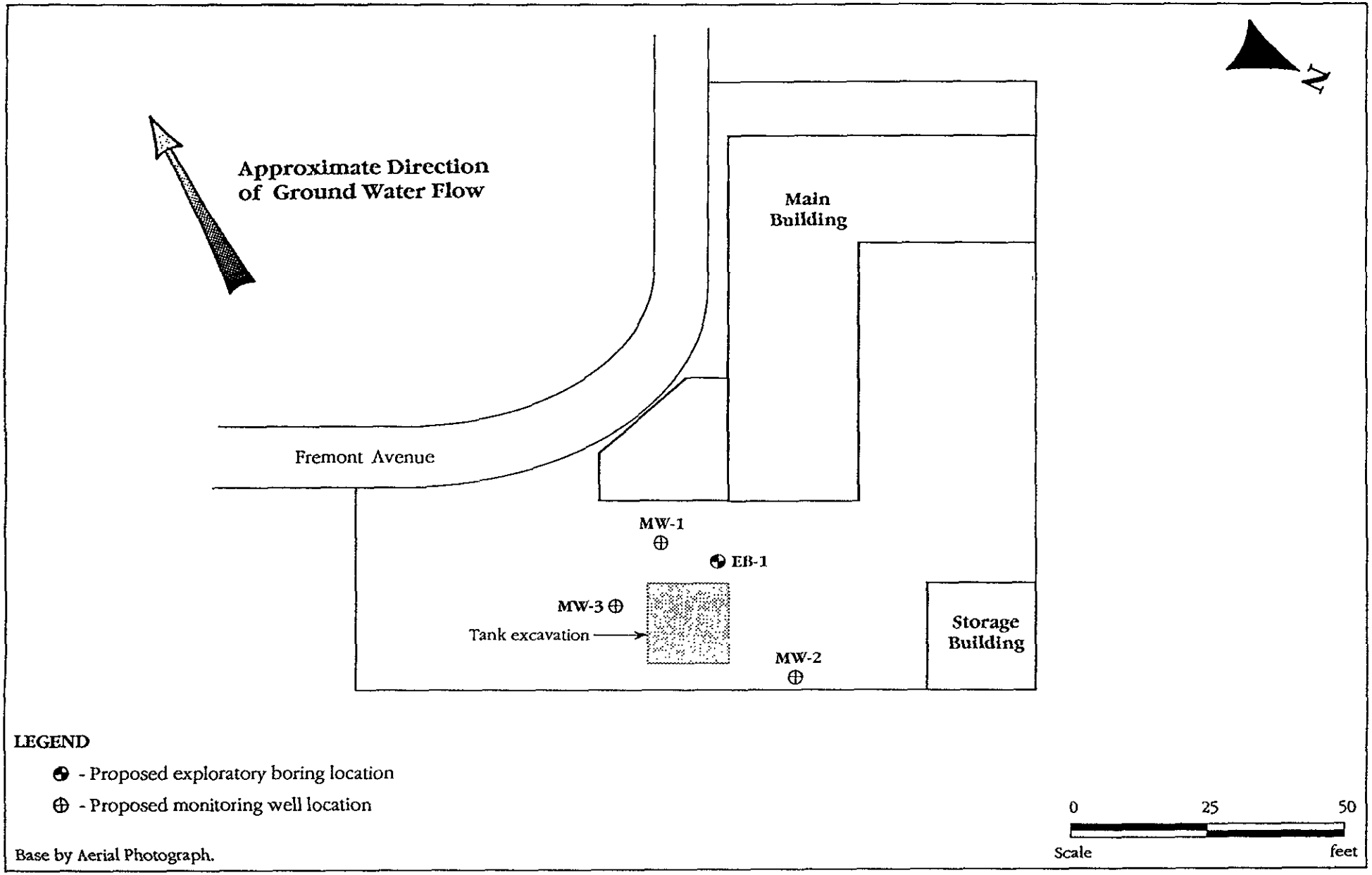
ATTACHMENT A
SAMPLING PROTOCOL

Subsurface Exploration and Monitoring Well Installation

Our field engineer of scientist would direct a subsurface exploration program, supervise, log, and sample borings to a depth of approximately 25 feet. The borings would be converted to "permanent" monitoring wells by installing 2-inch diameter, schedule 40 PVC casing with 0.02-inch width machine slotted screen. The wells would be completed with traffic rated wellhead boxes installed approximately flush with the adjacent grade.

It is anticipated that the bottom of the wells will be at a depth of 25 feet. A 10-foot length of slotted casing will be used in each well. Blank casing will be used to construct the remainder of the well to within 0.5 foot of the ground surface.

A sand filter pack and 0.02 slot size PVC screen will be selected to limit the amount of native filter pack material entering the monitoring well. The filter pack will be placed at least 2 feet above the top of the well screen and a 1-foot thick bentonite seal will be placed on top of the sand. A cement slurry seal will be placed above the bentonite seal to within 0.5 foot of the ground surface. A schematic well construction detail log is included with this attachment.



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SITE PLAN

S & S BUILDING SUPPLY
San Leandro, California

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FIGURE 1
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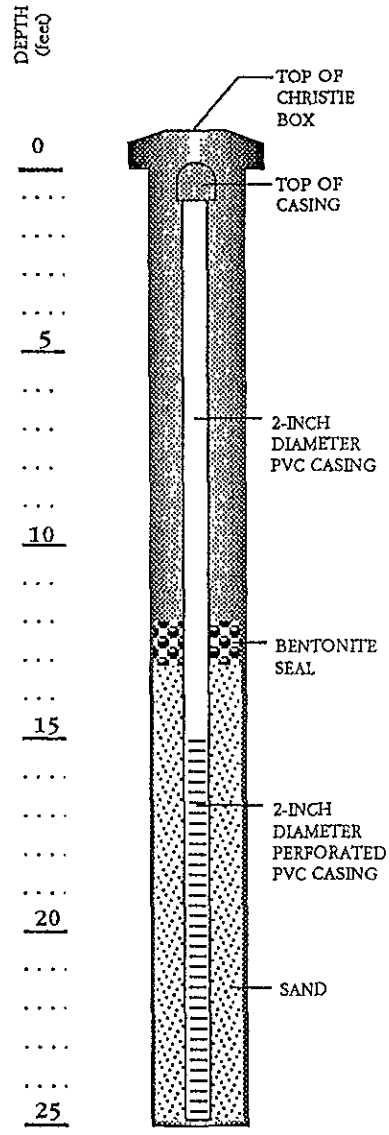

WELL CONSTRUCTION DETAIL

S & S BUILDING SUPPLY
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FIGURE 2
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